NIAID HIV Vaccine Summit

AIDS Vaccine Research: A Re-Evaluation



Anthony S. Fauci, M.D.
Director
National Institute of Allergy and Infectious
Diseases
National Institutes of Health
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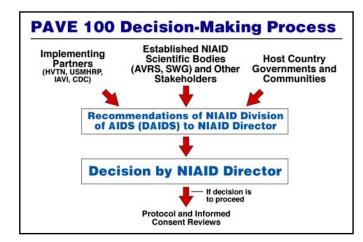


Purpose and Selected Goals of Today's Summit

- The summit is an important step in ongoing efforts to examine the current direction of HIV vaccine research; part of an iterative process
- NIAID is seeking input on the entire HIV vaccine research endeavor, including (but not limited to)
 - the optimal balance between vaccine discovery and development
 - NHP model development, optimization and utilization
 - Integration of clinical research with discovery
- Based upon input and feedback, NIAID will make adjustments to existing efforts to attract and support novel, high-priority science

What Today's Summit is NOT

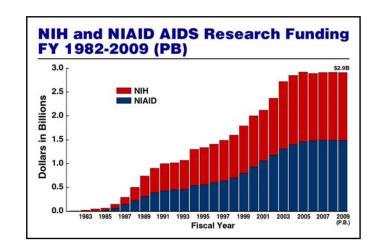
- Not a forum on the future of PAVE 100
 - No vote will be taken (or decision made) regarding the future of PAVE 100 or any other specific clinical trial

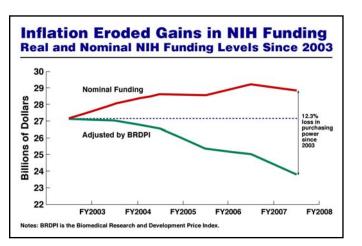


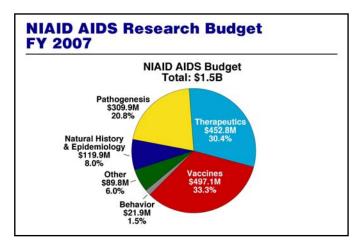
Today's Summit Builds on Previous and Ongoing Efforts to Engage the Scientific Community in Optimizing HIV Vaccine Research and Development Efforts

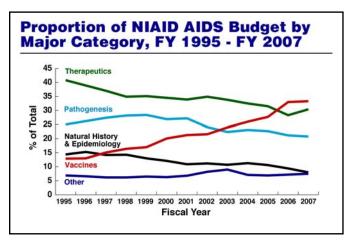


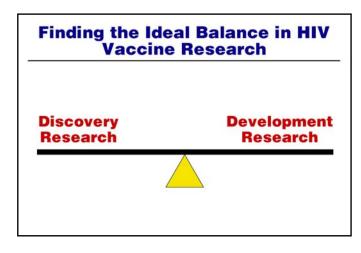
NIH Financial Resources: What Do We Have to Work With?







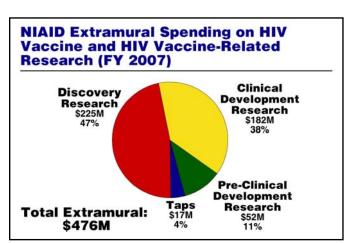




HIV Vaccine Discovery and Development: Definitions

- Discovery Research: Studies (basic, structural, animal, human, other) that inform and guide the design of candidate vaccines (grants)
- Pre-Clinical Development Research: Animal and laboratory studies required to advance a candidate vaccine into a human clinical trial, as well as resources (access to animals, reagents, sequence and epitope data, etc.) that support discovery research (contracts)
- Clinical Development Research: Preparing for and conducting clinical research to support product licensure and/or to guide the design of improved vaccines (grants and contracts)

A Considerable Amount of HIV Vaccine Discovery Research is Already Underway



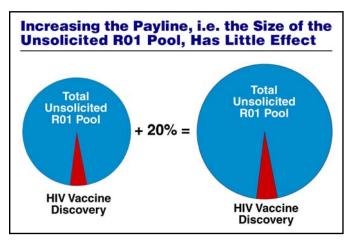
- NIAID is committed to bolstering the quality and quantity of HIV vaccine discovery research.
- We need new/novel ideas, both from current investigators and from a new generation of scientists who will help energize the field.
- We will make every effort to fund meritorious applications.

Options for Increasing NIAID Funding of HIV Vaccine Discovery Research

- Raising the payline -- increasing the size of the unsolicited R01 pool
- "Select payment" of unsolicited grants of programmatic interest
- New and expanded initiatives RFAs for solicited R01s and other programs

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Raising the Payline is an Inefficient Way of Bolstering Vaccine Discovery HIV vaccine basic and discovery research grants Percentile funded* Each 2 percentile N = 812 (current level) point increase costs \$35-38M 9 14 +1 ■ >\$140M yields 16 +2 11 only 5 new 18 +0 11 vaccine discovery grants 20 +2 13

'NIAID FY 2007 Data

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At the End of the Day

- We hope to receive from the group specific recommendations on:
 - The types of research to foster
 - How to attract these proposals